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File only
H. H. H. H. H.

COMMERCIAL LIGHTING EQUIPMENT



THE ART METAL COMPANY

1800 EAST 38th STREET

CLEVELAND, OHIO



FOREWORD

YEARS of experience devoted to the exclusive manufacture of Commercial Unit Hanger Equipment, together with the most modern facilities, enables us to produce equipment of the highest character.

Illustrated in this catalog you will find complete and diversified lines of equipment suitable for all types of installations.

The information and data is arranged to make it easy for immediate figuring of the most complicated specifications.

Architects and Electrical Engineers will find this catalog helpful when writing specifications for Commercial Lighting Installations.



HANGER



SPECIALISTS



DOUBLE DUTY LINE

COMMERCIAL UNIT HANGER EQUIPMENT

NEW STANDARDS OF VALUE

Distinctive Styles in conventional designed and popular priced Hanger Equipment.

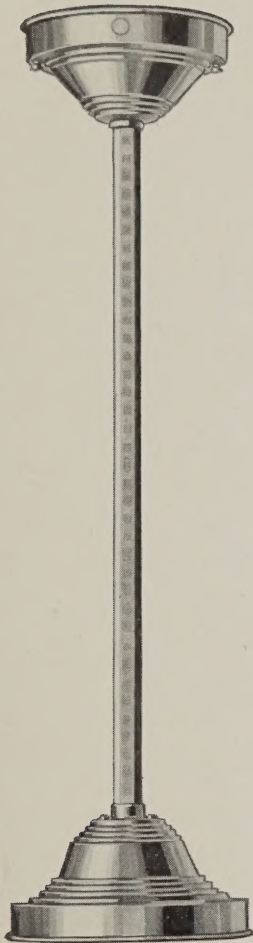
This Double Duty Line combines Artistic Designs, decorative to both plain and modernistic glassware, with all the features of Amco construction.

Canopy Ring as illustrated on Number 767 can also be used on Numbers 760, 763 and 765.

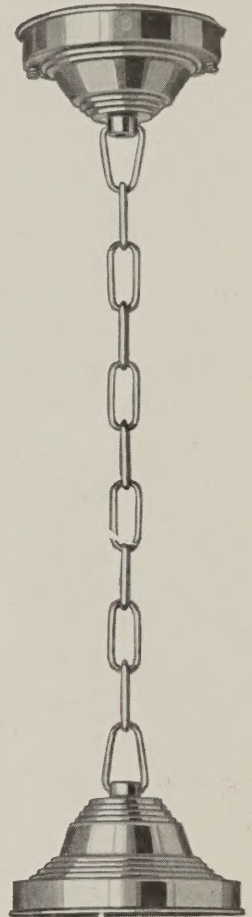
High Lustre Statuary Bronze or Dull Pewter are standard finishes.

All Holders aluminized inside.

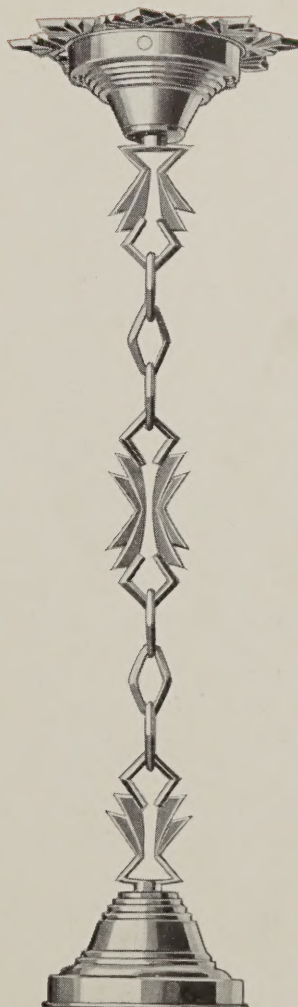
**AMCO SAFETY HOLDERS PATENTED WILL
BE FURNISHED ONLY WHEN SPECIFIED**



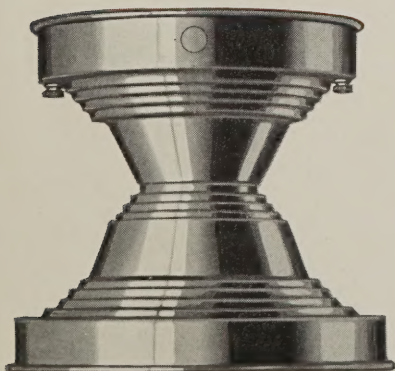
763
SWIVEL TYPE PENDANT



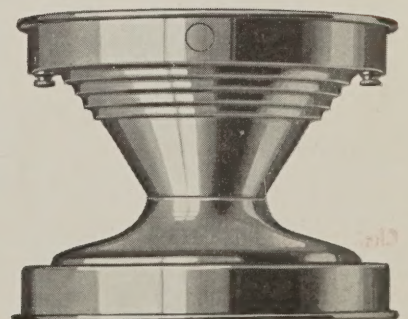
760
CHAIN PENDANT



767
MODERNISTIC PENDANT



765
DEEP CEILING COLLAR



762
CEILING COLLAR

PRICE LIST

Effective December 1st, 1930

DOUBLE DUTY HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Diameter Canopy At Base	Standard Package	List Price
760	Chain Pendant	6"	30"	5½"	32	\$1.96
760M	Chain Pendant Mogul	6"	30"	5½"	32	2.60
740	Chain Pendant	4"	30"	5½"	32	1.96
763	Swivel Stem Pendant	6"	24"	5½"	Bulk	2.80
763M	Swivel Stem Pendant Mogul	6"	24"	5½"	Bulk	3.44
743	Swivel Stem Pendant	4"	24"	5½"	Bulk	2.80
765	Deep Ceiling Collar	6"	6"	5½"	16	1.64
765M	Deep Ceiling Collar Mogul	6"	6"	5½"	16	2.22
745	Deep Ceiling Collar	4"	5½"	5½"	16	1.64

Canopy Ring: May be had on all above numbers at 80 cents additional list.

Slip Canopy and Stem: Furnished on Chain Pendant at 26 cents additional list.

Extra Lengths: Chain Pendant 30 cents per foot list including wire.
Swivel Stem Pendant 58 cents per foot list including wire.

767	Modernistic Pendant	6"	32"	9½"	12	4.20
767M	Modernistic Pendant Mogul	6"	32"	9½"	12	4.84
747	Modernistic Pendant	4"	32"	9½"	12	4.20

Less Canopy Ring: Deduct 80 cents from list.

Less Chain Break: Deduct 42 cents from list.

Extra Lengths: 32 cents additional list per foot including wire.

762	Ceiling Collar	6"	5"	6"	32	1.32
762M	Ceiling Collar Mogul	6"	5"	6"	32	2.10
742	Ceiling Collar	4"	4½"	6"	32	1.32

SPECIFICATIONS

Adjustable Socket

Extension:

All Hangers:

Standard Finishes:

Special Finishes:

Wired Pendants:

Wired Ceiling Fixtures:

Overall Lengths:

All Canopies:

Installation:

Loops:

Packing:

Amco Patented

Safety Holders:

Swivel Type Pendant:

Modernistic Pendant:

Chain Pendant:

Deep Ceiling Collar:

Ceiling Collar:

As illustrated in Sovereign Line completely installed in all fixtures at 26 cents additional list.

Are stocked with exclusive Amco One-Screw (Semi-Safety) Holders.

Statuary Bronze or Pewter.

Prices gladly given for other finishes.

Standard Equipment Medium Base Porcelain Socket and No. 16 Asbestos Covered Wire. Mogul Base Porcelain Socket and No. 14 Asbestos Covered Wire. All wires approved by National Board of Underwriters, polarized and terminals soldered.

Medium Base Two Piece Porcelain Receptacle with 6 inches No. 14 leads. Mogul Base Porcelain Receptacle with 9 inches No. 14 leads.

As shown in schedule.

Diameter as shown in schedule. Have knockout for canopy switch, and are complete with strap, screws and knurled nuts.

All hangers ready to install when taken from carton.

All loops used on pendants are an exclusive Amco Feature, Patents Pending.

One complete to a carton in Standard Package quantities as listed. Cartons are properly labeled.

AMCO ONE-SCREW SEMI-SAFETY HOLDERS STANDARD IN DOUBLE DUTY LINE

Furnished when specified at No Additional Cost.

An original designed hanger built with three-quarter inch hexagon casing and swivel concealed in canopy, this number meets the demand for Swivel Stem Pendants at prices slightly higher than chain equipment.

Truly modernistic, this fixture is outstanding in design of modern beauty and portrays the newest mode in Commercial Unit Hangers.

This pendant combines an Artistic Design, decorative to both plain and modernistic glassware, with all the features of Amco construction.

Ultra-smart with modernistic or plain glassware.

Attractive in appearance.

HANGER



SPECIALISTS



MASTER LINE

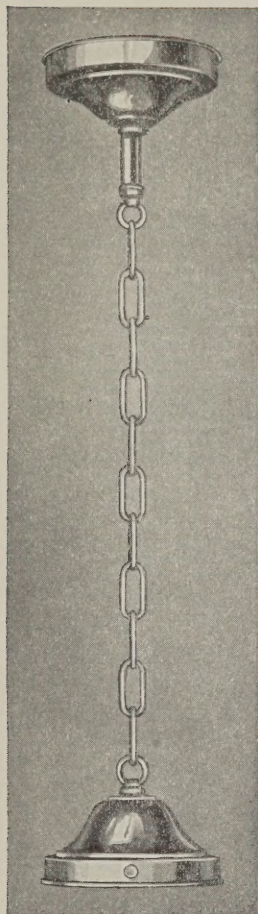
HANGER EQUIPMENT

Master Line Hangers equipped with One Screw Semi-Safety type Holders. This construction consists of two half-inch twenty-two gauge Brass stationary Arms that allow for expansion of glassware, and one set screw.

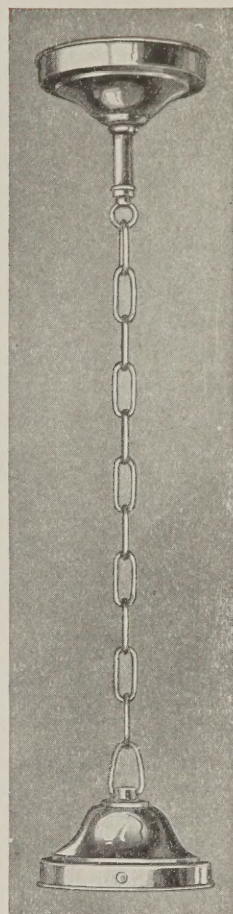
This feature insures greater safety and quicker installation of glassware.

Standard Finishes: Statuary Bronze and Pewter.

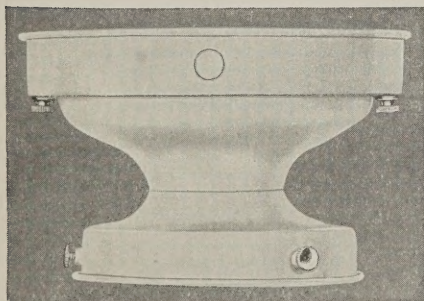
All Holders aluminized inside.



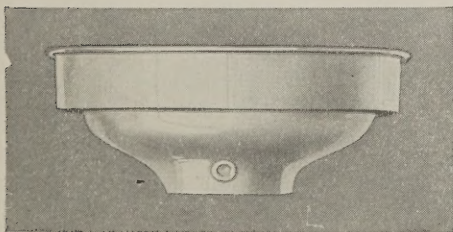
21607



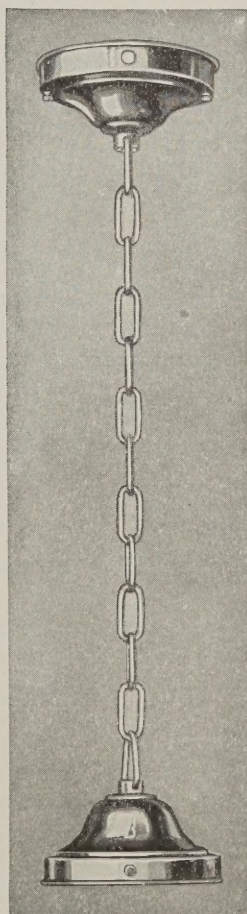
21601



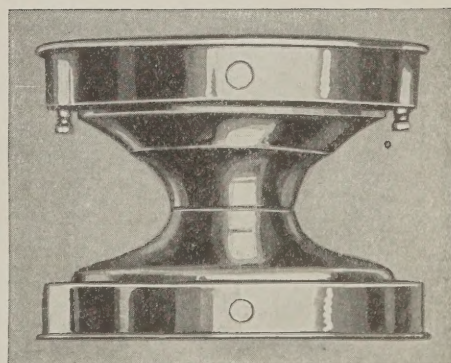
2244



2110



2161



2261

PRICE LIST

Effective December 1st, 1930

MASTER LINE—HANGER EQUIPMENT

Catalog Number	Description	Size Fitter	Length Overall	Standard Package	List Price
2161	Strap Canopy Pendant	Wired 6"	30"	32	\$1.90
2161M	Strap Canopy Pendant	Wired Mogul 6"	30"	32	2.56
2141	Strap Canopy Pendant	Wired 4"	30"	32	1.90
21601	Slip Canopy Pendant	Wired 6"	30"	32	2.02
21601M	Slip Canopy Pendant	Wired Mogul 6"	30"	32	2.68
21401	Slip Canopy Pendant	Wired 4"	30"	32	2.02
21607	Slip Canopy Pendant— $\frac{3}{8}$ Loop	Bare 6"	30"	32	1.70
21407	Slip Canopy Pendant— $\frac{3}{8}$ Loop	Bare 4"	30"	32	1.70
21608	Slip Canopy Pendant— $\frac{3}{8}$ Loop	Wired Mogul 6"	30"	32	3.00
21606	Slip Canopy Pendant— $\frac{1}{8}$ Loop	Bare 6"	30"	32	1.58
21406	Slip Canopy Pendant— $\frac{1}{8}$ Loop	Bare 4"	30"	32	1.58
2261	Ceiling Collar	Wired 6"	4 $\frac{3}{4}$ "	32	1.28
2261M	Ceiling Collar	Wired Mogul 6"	5 $\frac{1}{2}$ "	16	2.06
2260	Ceiling Collar	Bare 6"	4 $\frac{3}{4}$ "	32	1.14
2241	Ceiling Collar	Wired 4"	4 $\frac{1}{2}$ "	32	1.14
2240	Ceiling Collar	Bare 4"	4 $\frac{1}{2}$ "	32	1.00

SPECIFICATIONS

Standard Finish:

Plated Statuary Bronze. Pewter finish will be furnished at no additional cost when specified. White Enamel or Ivory 10 per cent additional.

Extra Lengths:

30 cents additional list per foot including wire.

Wired Pendants:

Medium Base Porcelain Sockets No. 16 Asbestos Wire. Mogul No. 14 Asbestos Wire.

Wired Ceiling Collars.

Two-piece Sign Receptacle with pigtails.

Strap Type Canopy:

6" Diameter, complete with Strap, Screws and Knurled Nuts.

Slip Type Canopy:

6" Diameter.

Ceiling Type Canopy:

6" Diameter, complete with Strap, Screws and Knurled Nuts.

All Canopies:

Have Knockout for Pull Switch.

Packing:

All fixtures packed one complete to a carton.

Catalog Number	Description	Size Fitter	Standard Package	List Price
2245	Ceiling Collar	Wired 4"	44	\$.90
2244	Ceiling Collar	Bare 4"	44	.70
2235	Ceiling Collar	Wired 3 $\frac{1}{4}$ "	Bulk	.86
2234	Ceiling Collar	Bare 3 $\frac{1}{4}$ "	Bulk	.60
2225	Ceiling Collar	Wired 2 $\frac{1}{4}$ "	Bulk	.76
2224	Ceiling Collar	Bare 2 $\frac{1}{4}$ "	Bulk	.52
2110	Closet Light—No Strap	Bare ..	150	.32
2111	Closet Light—with Strap, Screws, Nuts	Bare ..	150	.40

SPECIFICATIONS

Canopies:

Have Knockout for Pull Chain Switch.

All Canopies:

5 $\frac{1}{2}$ " Diameter at Ceiling.

Finish:

White Enamel or Ivory Standard. Statuary Bronze, Red or Green finish, 10 per cent additional.

Eyelet:

If Eyelet is desired add 10 per cent to list, and specify when ordering.

10 POINTS OF SUPERIORITY

1. Low Price.
2. One Screw Semi-Safety Holder.
3. Complete—ready to install.
4. Harmony in design.
5. Individually packed.
6. All parts plated in uniformly rich Statuary Bronze or Pewter Finish.
7. Pendants 30" Overall.
8. Wired with Medium Base Porcelain Socket and No. 16 Asbestos Covered Wire. All wires Underwriter approved and polarized with terminals soldered.
9. Canopies have Knockout for Pull Switch.
10. All Canopies have 6" diameter Base except where specified 5 $\frac{1}{2}$ " in specification.

HANGER



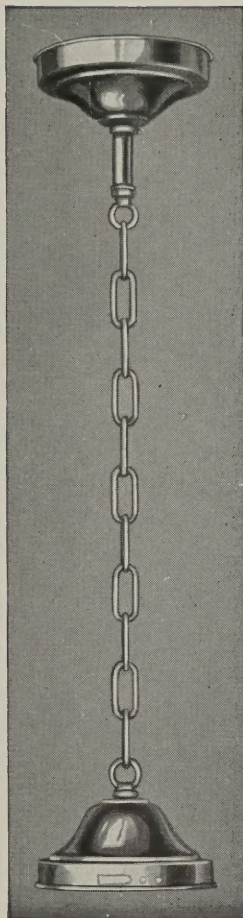
SPECIALISTS



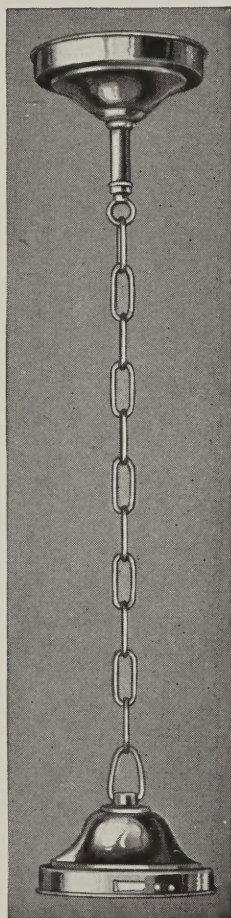
ECONOMY LINE

SAFETY

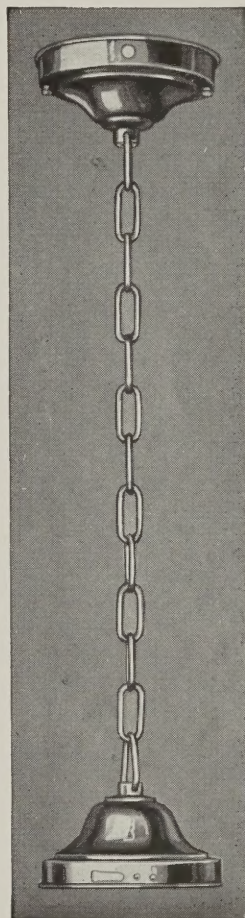
HANGER EQUIPMENT



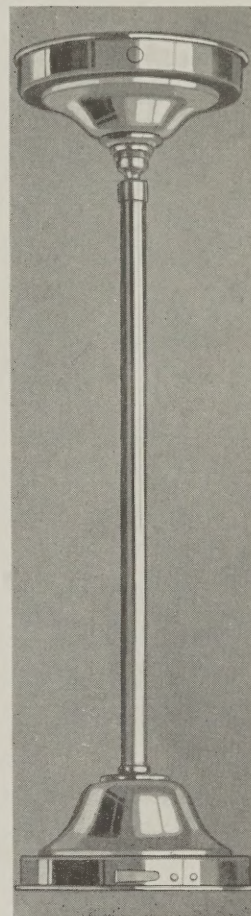
11606



11600



1160



1163

BALL SWIVEL
STEM PENDANT

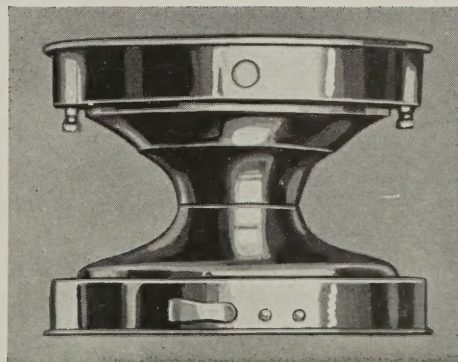
Statuary Bronze or Pewter
Finishes.

All Fixtures have 6" diam-
eter base canopies.

All Holders aluminized in-
side.

Completely assembled, ready
for installation.

Amazingly low priced.



1260

ECONOMY LINE HANGERS

Are equipped with Amco
Safety Holders. This feature
insures the security of the
glassware and saves time in
the installation of Commer-
cial Lighting Units.

AMCO SAFETY HANGERS ARE PATENTED

THE ART METAL CO.

CLEVELAND, OHIO

PRICE LIST—Effective June 10, 1932

ECONOMY LINE—SAFETY SCREWLESS HANGERS

Catalog Number	Type	Size Fitter	Length Overall	Standard Package	List Price
1160 ✓	Strap Type Canopy—Wired Chain Pendant	6"	30"	32	\$1.48
1160M ✓	Strap Type Canopy—Wired Chain Pendant—Mogul	6"	30"	32	1.96
1140 ✓	Strap Type Canopy—Wired Chain Pendant	4"	30"	32	1.48
11600	Slip Type Canopy—Wired Chain Pendant	6"	30"	32	1.60
11600M	Slip Type Canopy—Wired Chain Pendant—Mogul	6"	30"	32	2.08
11400	Slip Type Canopy—Wired Chain Pendant	4"	30"	32	1.60
11606	Slip Canopy and $\frac{3}{8}$ " Holder Loop Wired Chain Pendant	6"	30"	32	2.10
11607	Slip Canopy and $\frac{3}{8}$ " Holder Loop Wired Chain Pendant—Mogul	6"	30"	32	2.48
11404	Slip Canopy and $\frac{3}{8}$ " Holder Loop Wired Chain Pendant	4"	30"	32	2.10
1163	Wired Ball Swivel Screw Collar Stem Pendant	6"	24"	Bulk	3.30
1163M	Wired Ball Swivel Screw Collar Stem Pendant—Mogul	6"	24"	Bulk	3.64
1143	Wired Ball Swivel Screw Collar Stem Pendant	4"	24"	Bulk	3.30
1260 ✓	Wired Ceiling Type	6"	4 $\frac{3}{4}$ "	32	.98
1260M	Wired Ceiling Type—Mogul	6"	4 $\frac{3}{4}$ "	32	1.46
1240 ✓	Wired Ceiling Type	4"	4 $\frac{1}{2}$ "	32	.98

SPECIFICATIONS

22 Gauge Brass:

Any fixture listed above may be had in 22 gauge brass at 54 Cents additional list.

All Stem Pendant Fixtures:

Constructed with $\frac{3}{8}$ " Iron Pipe covered by $\frac{3}{4}$ " O. D. 22 gauge Brass Casing and complete with $\frac{3}{8}$ x $\frac{3}{8}$ female hickey.

Standard Finish:

Statuary Bronze. Pewter will be furnished at No Additional Cost when specified.

Chromium Plated Finish:

Price on application—advise quantity and also whether brass.

Special Finishes:

Prices gladly given upon application.

Wired Pendants:

Standard Equipment Medium Base Porcelain Socket and No. 16 Asbestos Covered Wire. Mogul Base Porcelain Socket and No. 14 Asbestos Covered Wire. All wires approved by National Board of Underwriters, polarized and terminals soldered.

Wired Ceiling Fixtures:

Medium Base Two-piece Porcelain Receptacle with 6" No. 14 Leads. Mogul Base Socket with 9" No. 14 Leads.

Solid Brass Chain:

Standard length any Chain Pendant fixture 60 Cents additional list—Additional lengths 60 Cents per foot list including wire.

All Canopies:

6" Diameter and have Knockout for Canopy Switch and are complete with Strap, Screws and Knurled Nuts.

Extra Lengths:

Chain Pendants 22 Cents additional list per foot including wire.

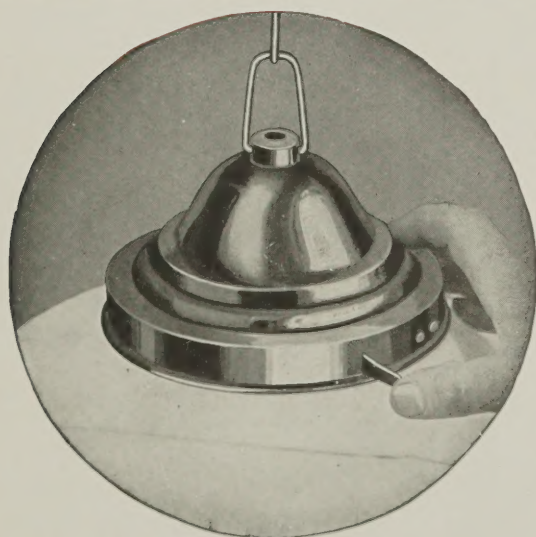
Stem Pendants 56 Cents additional list per foot including wire.

Installation:

All Equipment ready to install when taken from carton.

Packing:

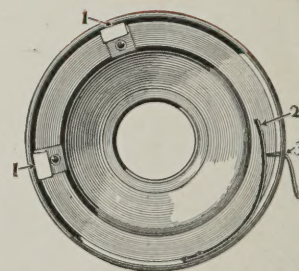
One Complete to a Carton in Standard Package Quantities as listed.



CLOSE LEVER TO LOCK
SIMPLE AS CLICKING A CAMERA

AMCO
SAFETY HOLDERS

Are Safe, Simple and Foolproof. They are designed to form a cushion around the neck of the glassware that allows for expansion and contraction, eliminating the possibility of globe breakage, yet permitting absolute EASE and SPEED in the installation of glassware.

NOTE THE SIMPLICITY OF
PARTS

- (1) $\frac{1}{2}$ "x22 gauge Brass Stationary Arms and
 - (2) $\frac{1}{2}$ "x3"—20 gauge Spring, acts as a cushion around neck of glass.
 - (3) Lever 18 gauge Brass.
- All that is necessary to lock glass in position is to close lever (3) which expands spring (2), simple as clicking a camera.

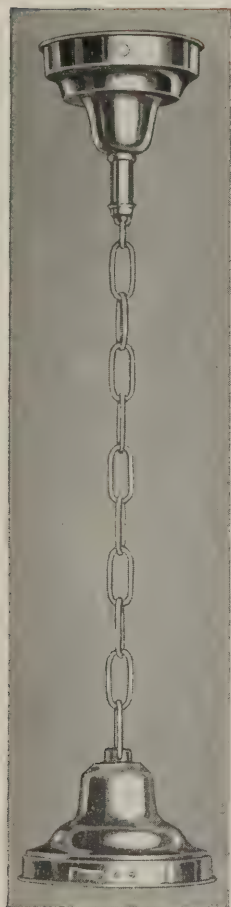
HANGER **AMCO** SPECIALISTS



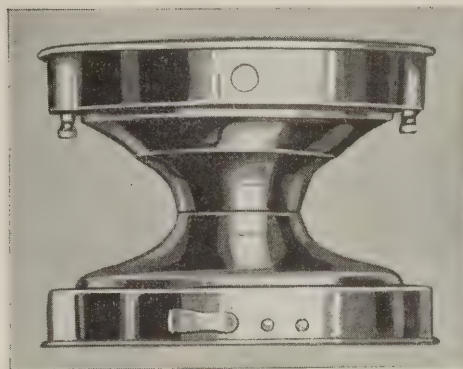
LEADER LINE

SAFETY

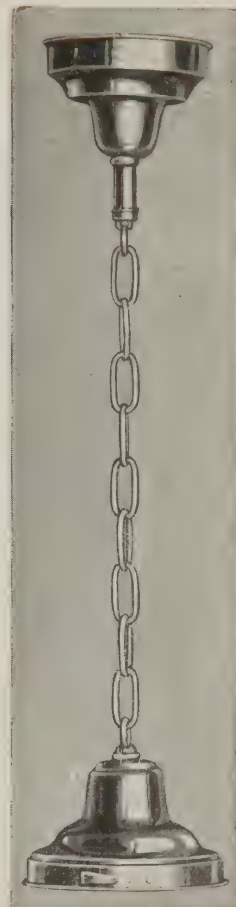
HANGER EQUIPMENT



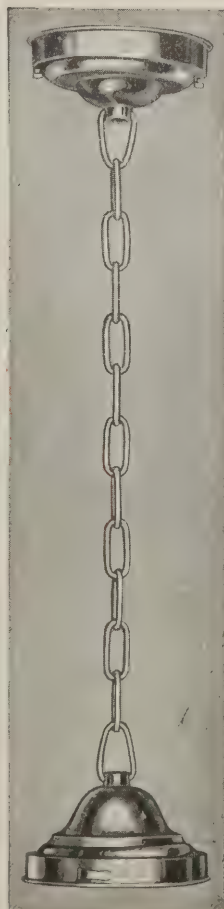
950



881



980



777

TWELVE POINTS FEATURING AMCO CONSTRUCTION

1. AMCO SAFETY HOLDER, ALUMINIZED INSIDE.
2. Brass Construction Throughout.
3. Harmony in Design.
4. Ceiling Fixture Canopies and Pendant Strap Canopies 6" in Diameter. Pendant Slip Canopies 5 1/4" in Diameter.
5. Canopies have Knockout for Pull Switch.
6. All parts plated in uniformly rich Statuary Bronze or Pewter Finish.
7. Wired with No. 16 Asbestos Covered Wire and Porcelain Socket.
8. All wires Underwriters' approved and polarized with soldered terminals.
9. Pendants 30" Overall.
10. Individually packed.
11. Complete ready to install.
12. LOW PRICE.

**ALL HOLDERS AND
CANOPIES IN THIS
LINE ARE MADE OF
24 GAUGE BRASS**

**AMCO
SAFETY HOLDERS
ARE PATENTED**

PRICE LIST

Effective December 1st, 1930

LEADER LINE—SAFETY SCREWLESS HANGERS

Catalog Number	Description	Wired	Size Fitter	Length Overall	Diameter Canopy At Base	Standard Package	List Price
777	Strap Canopy Pendant	Medium	6"	30"	6"	32	\$2.36
777M	Strap Canopy Pendant	Mogul	6"	30"	6"	32	3.02
779	Strap Canopy Pendant	Medium	4"	30"	6"	32	2.26
950S	Strap Canopy Pendant	Medium	6"	30"	5 1/4"	16	2.44
950	Slip Canopy Pendant	Medium	6"	30"	5 1/4"	16	2.60
950SM	Strap Canopy Pendant	Mogul	6"	30"	5 1/4"	16	3.10
950M	Slip Canopy Pendant	Mogul	6"	30"	5 1/4"	16	3.26
952S	Strap Canopy Pendant	Medium	4"	30"	5 1/4"	32	2.34
952	Slip Canopy Pendant	Medium	4"	30"	5 1/4"	32	2.50
*980S	Strap Canopy Pendant	Medium	6"	30"	5 1/4"	16	2.98
*980	Slip Canopy Pendant	Medium	6"	30"	5 1/4"	16	3.14
*980SM	Strap Canopy Pendant	Mogul	6"	30"	5 1/4"	16	3.46
*980M	Slip Canopy Pendant	Mogul	6"	30"	5 1/4"	16	3.62
*982S	Strap Canopy Pendant	Medium	4"	30"	5 1/4"	32	2.88
*982	Slip Canopy Pendant	Medium	4"	30"	5 1/4"	32	3.04

*These fixtures are Wired with 3/8 Cap Porcelain Sockets.
Deduct 80 cents from list for Bare Fixtures—No Socket or Wire.

881	Ceiling Type	Medium	6"	4 3/4"	6"	32	1.66
881M	Ceiling Type	Mogul	6"	4 3/4"	6"	32	2.44
883	Ceiling Type	Medium	4"	4 1/2"	6"	32	1.66

SPECIFICATIONS

Standard Finish:

Statuary Bronze. Pewter will be furnished at No Additional Cost when specified.

Special Finishes:

Prices gladly given upon application.

Wired Pendants:

Standard Equipment Medium Base Porcelain Socket and No. 16 Asbestos Covered Wire. Mogul Base Porcelain Socket and No. 14 Asbestos Covered Wire. All wires approved by National Board of Underwriters, polarized and terminals soldered.

Wired Ceiling Fixtures:

Medium Base Two-piece Porcelain Receptacle with 6" No. 14 Leads. Mogul Base Socket with 9" No. 14 Leads.

All Canopies:

Have Knockout for Canopy Switch and are complete with Strap, Screws and Knurled Nuts.

Extra Lengths:

30 Cents additional list per foot including wire.

Solid Brass Chain:

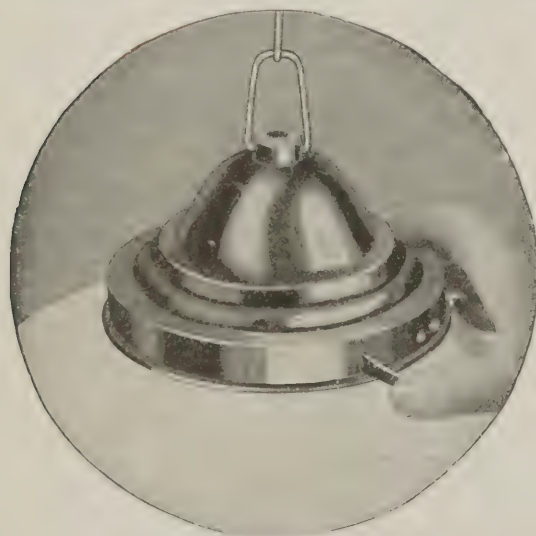
Add 70 cents to list. Additional Lengths 70 cents per foot list including wire.

Installation:

All Equipment ready to install when taken from Carton.

Packing:

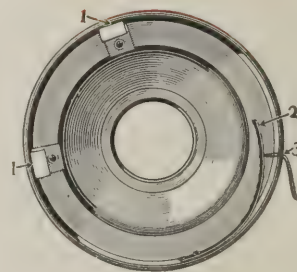
One Complete to a Carton in Standard Package Quantities as listed.



CLOSE LEVER TO LOCK
SIMPLE AS CLICKING A CAMERA

AMCO
SAFETY HOLDERS

Are Safe, Simple and Foolproof. They are designed to form a cushion around the neck of the glassware that allows for expansion and contraction, eliminating the possibility of globe breakage, yet permitting absolute EASE and SPEED in the installation of glassware.

NOTE THE SIMPLICITY
OF PARTS

- (1) 1/2"x22 gauge Brass Stationary Arms and
- (2) 1/2"x3"—20 gauge Spring, act as a cushion around neck of glass.
- (3) Lever 18 gauge Brass.

All that is necessary to lock glass in position is to close lever (3) which expands spring (2), simple as clicking a camera.

HANGER



SPECIALISTS



SOVEREIGN LINE

MODERNISTIQUE

HANGER EQUIPMENT

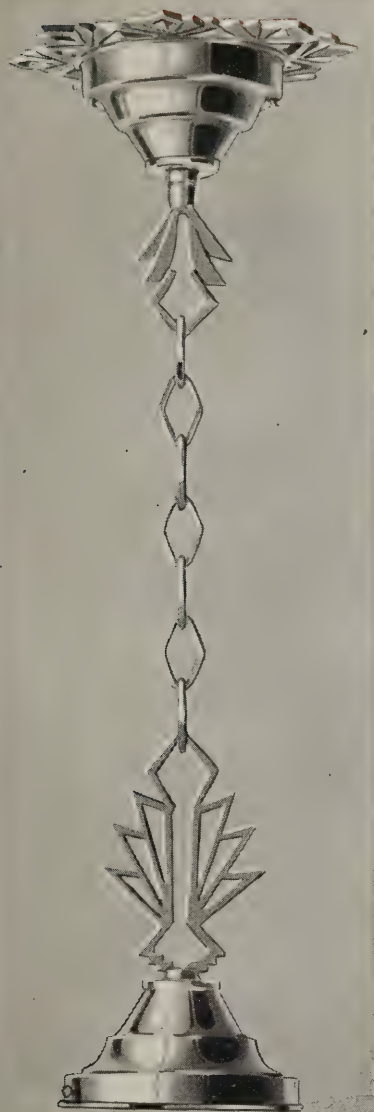
TRULY MODERNISTIQUE

Artistic Design
Massive Appearance
Decorative Colors
Easily Installed
Excellent Value
Harmonize with All Glassware
Holders aluminized inside
Exclusive in

SOVEREIGN

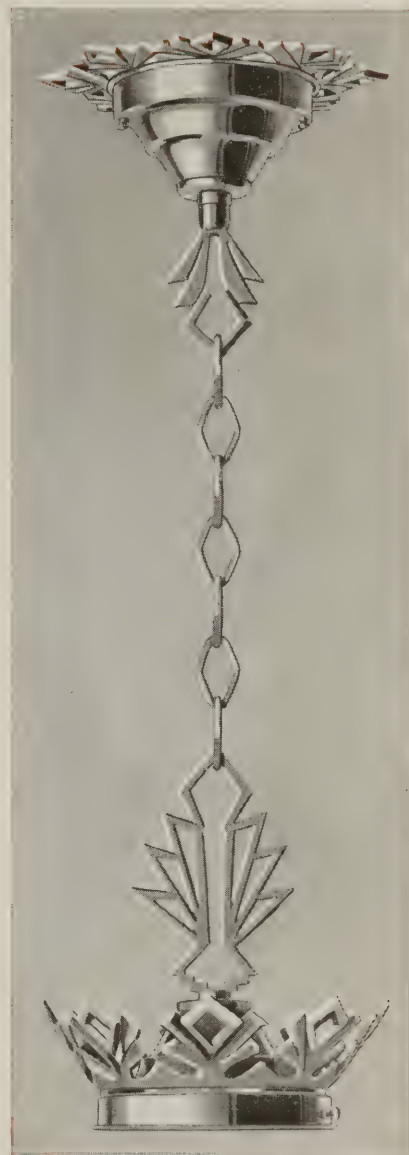
Modernistisque Equipment

Creations that touch the
responsive chord of the
art-minded and are out-
standing in design and
finish of



1602

1603—LESS CANOPY RING



1600

1601—LESS CROWN



1606

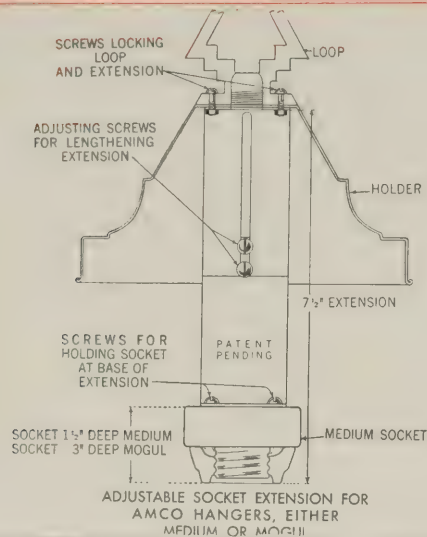
1607—LESS CANOPY RING



1604

1605—LESS CANOPY RING

MODERN
BEAUTY



Put the Lamp Where It Belongs!!!

Efficiency in Modernistic Glassware can best be obtained when the lamp is in the proper position. The Amco Socket Extension, with its sliding adjustment, allows the position of the lamp to be from 2 inches to 7 $\frac{1}{2}$ inches lower than the original position without the Extension.

The value of this Extension more than overcomes the low cost and it will

"Put the Lamp Where It Belongs"

PRICE LIST

Effective December 1st, 1930

SOVEREIGN LINE—MODERNISTIQUE HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Diameter Canopy At Base	Standard Package	List Price Wired
1600	Chain Pendant	6"	36"	9 $\frac{1}{2}$ "	12	\$5.24
1600M	Chain Pendant Mogul	6"	36"	9 $\frac{1}{2}$ "	12	5.90
1601	Chain Pendant Less Canopy Ring	6"	36"	5 $\frac{1}{4}$ "	12	4.46
1601M	Chain Pendant Mogul Less Canopy Ring	6"	36"	5 $\frac{1}{4}$ "	12	5.10
1612	Chain Pendant	4"	36"	9 $\frac{1}{2}$ "	12	4.14
1602	Chain Pendant	6"	36"	9 $\frac{1}{2}$ "	12	4.14
1602M	Chain Pendant Mogul	6"	36"	9 $\frac{1}{2}$ "	12	4.74
1613	Chain Pendant Less Crown	4"	36"	5 $\frac{1}{4}$ "	16	3.30
1603	Chain Pendant Less Crown	6"	36"	5 $\frac{1}{4}$ "	16	3.30
1603M	Chain Pendant Mogul	6"	36"	5 $\frac{1}{4}$ "	16	3.90
1604	Ceiling Collar	6"	6"	9 $\frac{1}{2}$ "	12	3.66
1604M	Ceiling Collar Mogul	6"	6"	9 $\frac{1}{2}$ "	12	4.36
1605	Ceiling Collar Less Canopy Ring	6"	6"	5 $\frac{1}{4}$ "	12	2.86
1605M	Ceiling Collar Mogul Less Canopy Ring	6"	6"	5 $\frac{1}{4}$ "	12	3.56
1616	Ceiling Collar	4"	4 $\frac{5}{8}$ "	9 $\frac{1}{2}$ "	12	2.56
1606	Ceiling Collar	6"	6"	9 $\frac{1}{2}$ "	12	2.56
1606M	Ceiling Collar Mogul	6"	6"	9 $\frac{1}{2}$ "	12	3.24
1617	Ceiling Collar Less Canopy Ring	4"	4 $\frac{5}{8}$ "	5 $\frac{1}{4}$ "	16	1.48
1607	Ceiling Collar Less Canopy Ring	6"	6"	5 $\frac{1}{4}$ "	16	1.48
1607M	Ceiling Collar Mogul Less Canopy Ring	6"	6"	5 $\frac{1}{4}$ "	16	2.16

Adjustable Socket

Extension:

All Hangers:

Standard Finish:

Special Finishes:

Wired Pendants:

Wired Ceiling

Fixtures:

All Wires:

Overall Lengths:

All Canopies:

Packing:

Installation:

Loops:

SPECIFICATIONS

Furnished completely installed in all pendants and ceiling fixtures at 26c additional list.

Are stocked equipped with Exclusive Amco One-Screw (Semi-Safety) Holders. May be had in Amco Patented Safety Screwless Type Holders if specified at no additional cost.

Modernistic Bronze and Gold (a rich statuary bronze with gold decoration.)

Prices will be gladly given for other finishes.

Standard equipment, medium base porcelain socket and No. 16 asbestos covered wire. Mogul socket No. 14 asbestos covered wire, and complete with Adjustable Socket Extension installed when specified.

Two piece receptacle with 6" No. 14 Leads. Mogul, complete with running thread iron pipe nipple and No. 14 asbestos covered wire. When Adjustable Socket Extension is ordered, same is furnished completely installed with either Medium or Mogul Socket.

Underwriters' approval and polarized, terminals soldered.

As shown in schedule. Additional lengthening, 32c per foot additional list.

5 $\frac{1}{4}$ " Diameter complete with Strap, Screws and Knurled Nuts, and have Knockout for Pull Switch.

One complete fixture to a carton, in standard package quantities as listed, both cartons properly labeled.

All Amco Hangers are ready to install when taken from carton.

All Loops used on Pendants are an Exclusive Amco Feature, Patents pending.

HANGER



SPECIALISTS



Industrial Lighting Line

THE
SUPER REFLECTOR
FOR
INDUSTRIAL
PLANTS



Patented
No. 302

IDEAL FOR
MINIATURE
GOLF COURSES

The Amco Industrial Lighting Unit is of high grade steel construction finished in genuine porcelain enamel.

The large reflector is of two pieces permanently joined, forming a hollow body. The lower reflector is made in one piece, open at top and bottom.

Upper and lower reflectors are joined by three small adjustable rods. The proper adjustment should find the lamp filament focused at the waist line of the lower reflector with the light extending to the outer edge of the top reflector, none of it escaping in the form of shadows on walls or ceiling.

IN insuring that degree of lighting efficiency and economy which modern business methods demand, this unrivalled unit is unique in that it is the one unit designed exclusively to meet just such demands—and does it better than any other. It marks the greatest advance in industrial illumination since the development of the gas-filled lamp.

Amco alone eliminates completely the evil of glare, so harmful and costly in its effect on workers, without impairing in the least the lighting efficiency of the lamp.

In the Amco unit the filament of the lamp is placed directly at the waist line of the lower reflector. This accomplishes several things:

It sends the light streaming down on the working plane as does the headlight of a powerful automobile, which is greater than is the case from any deep bowl or shallow bowl type of reflecting media.

The filament of the lamp being so placed in the lower reflector, it is entirely surrounded and therefore is entirely screened from the eye, completely

eliminating glare, while increasing instead of reducing lighting efficiency.

We have known for years of the inherent loss in absorption of the lamp filament itself. This light is generally lost in the upper structure of ordinary reflectors. Furthermore, in the deep bowl type of unit there is a still greater loss of light by cross-reflection in the upper part of the reflector.

In the Amco Industrial Lighting Unit, however, this light ordinarily lost or wasted, is permitted to shine unobstructedly into upper reflector, and with one reflection, is directed outward and downward to illuminate the horizontal plane for general lighting.

Another point. In the Amco Industrial Lighting Unit, the lamp is freely ventilated, whereas in many other types of reflectors, the reflection of the light rays is duplicated in the heat rays which are re-reflected many times through the lamp bulb, thereby materially shortening the life of the lamp.

You will find the Amco Industrial Lighting Unit a revelation in solving the problem of efficient economical mill and factory lighting.

THE ART METAL CO.

CLEVELAND, OHIO

PRICE LIST

Effective December 1st, 1930

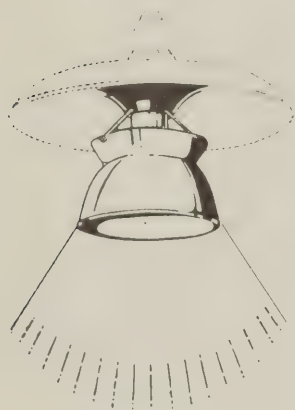
INDUSTRIAL LIGHTING LINE

Catalog Number	Top Reflector Inches	Finish	Size of Lamp	Socket	Weight Pounds	List Price
302	17	Porcelain Enamel	300-500	Mogul	5	\$12.00
300	15	Porcelain Enamel	200	Medium	3	8.00
301	12	Porcelain Enamel	100	Medium	2	6.00

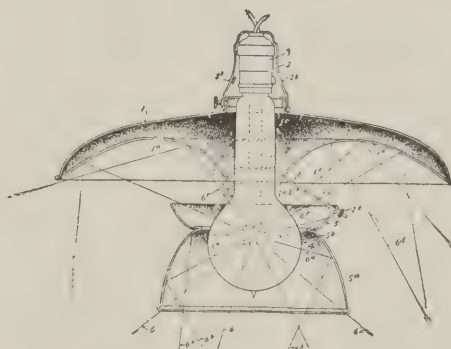
NOTE—No. 302 is made for use with the 300 to 500-watt lamps. Price includes mogul socket, $\frac{3}{8}$ female cap and $3\frac{1}{4}$ " brass holder. Nos. 300 and 301 have $2\frac{1}{4}$ " fitters and take the standard shade holders and medium base socket. Holders or sockets are NOT included in list price.

Packed six to standard package.

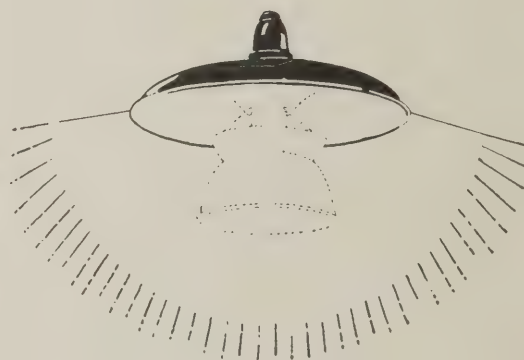
These illustrations indicate the method of light control and distribution as effected by the dual reflector construction of the AMCO Industrial Lighting Unit.



Vertical Lighting



Cross Section View



Horizontal Lighting

To find

Mounting height (above working surface)—Multiply distance between outlets by $\frac{2}{3}$.

To find

Spacing distance—Multiply height between AMCO Unit and working plane by $1\frac{1}{2}$.

THE SEVEN MAIN FACTORS NECESSARY TO A GOOD SYSTEM OF ILLUMINATION

1. Illuminating both horizontal and vertical planes.
2. The eye fully protected from all glare.
3. Elimination of sharp shadows.
4. Maintenance (easily cleaned).
5. Complete ventilation ensuring long lamp life.
6. Lamps changeable without disturbing fixture.
7. Reasonable expenditure.

THE AMCO UNIT IS UNEXCELLED ON ALL OF THESE FEATURES

HANGER



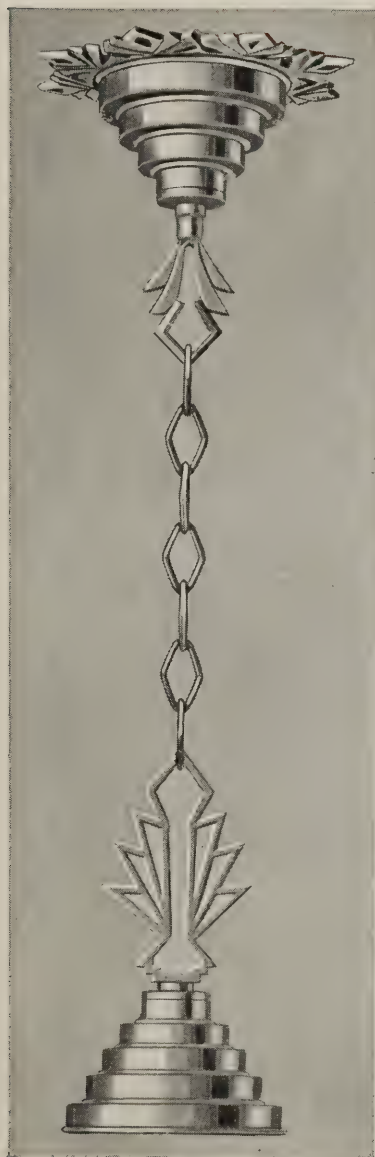
SPECIALISTS



ARISTOCRAT LINE

MODERNISTIQUE

HANGER EQUIPMENT



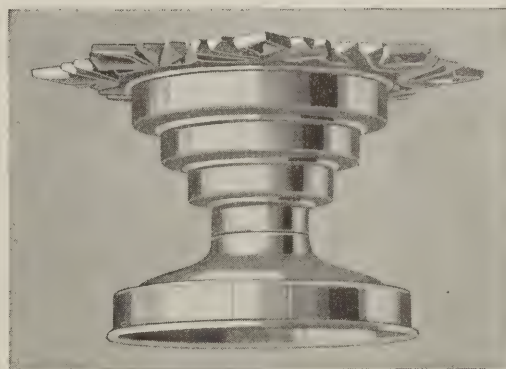
1906

1916—LESS CANOPY RING



1926

1936—LESS CANOPY RING



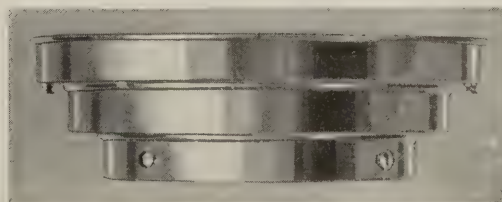
1946

1956—LESS CANOPY RING



1966

All Holders and Canopies illustrated in the Aristocrat Line are made of 22 Gauge Bronze Metal. Holders are aluminized inside.



2006

TRULY ARISTOCRATIC

The symmetry of design, charm, and character embodied in these beautiful hangers are symbolic of that exclusiveness found only in the finest, and represents the effort to fulfill the need of Commercial Unit Hanger Equipment in the Modernist Mode portraying the

ARISTOCRAT

PRICE LIST

Effective December 1st, 1930

ARISTOCRAT LINE—MODERNISTIQUE HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Diameter Canopy At Base	Standard Package	List Price Wired
1964	Chain Pendant	4"	36"	9 $\frac{1}{2}$ "	12	\$5.94
1966	Chain Pendant	6"	36"	9 $\frac{1}{2}$ "	12	6.12
1966M	Chain Pendant Mogul	6"	36"	9 $\frac{1}{2}$ "	12	6.70
1968M	Chain Pendant Mogul	8"	36"	9 $\frac{1}{2}$ "	Bulk	7.40
1970M	Chain Pendant Mogul	10"	36"	9 $\frac{1}{2}$ "	Bulk	8.70
1972M	Chain Pendant Mogul	12"	36"	9 $\frac{1}{2}$ "	Bulk	10.40
1904	Chain Pendant	4"	36"	9 $\frac{1}{2}$ "	12	5.20
1906	Chain Pendant	6"	36"	9 $\frac{1}{2}$ "	12	5.34
1906M	Chain Pendant Mogul	6"	36"	9 $\frac{1}{2}$ "	12	5.98
1908M	Chain Pendant Mogul	8"	36"	9 $\frac{1}{2}$ "	Bulk	6.68
1910M	Chain Pendant Mogul	10"	36"	9 $\frac{1}{2}$ "	Bulk	7.96
1912M	Chain Pendant Mogul	12"	36"	9 $\frac{1}{2}$ "	Bulk	9.68
1914	Chain Pendant, Less Canopy Ring	4"	36"	5 $\frac{1}{4}$ "	16	4.38
1916	Chain Pendant, Less Canopy Ring	6"	36"	5 $\frac{1}{4}$ "	16	4.56
1916M	Chain Pendant Mogul, Less Canopy Ring	6"	36"	5 $\frac{1}{4}$ "	16	5.18
1918M	Chain Pendant Mogul, Less Canopy Ring	8"	36"	5 $\frac{1}{4}$ "	Bulk	5.86
1920M	Chain Pendant Mogul, Less Canopy Ring	10"	36"	6 $\frac{1}{4}$ "	Bulk	7.16
1922M	Chain Pendant Mogul, Less Canopy Ring	12"	36"	6"	Bulk	8.86
1924	Ceiling Collar	4"	7 $\frac{1}{8}$ "	9 $\frac{1}{2}$ "	12	3.68
1926	Ceiling Collar	6"	7 $\frac{1}{8}$ "	9 $\frac{1}{2}$ "	12	3.84
1926M	Ceiling Collar Mogul	6"	7 $\frac{1}{8}$ "	9 $\frac{1}{2}$ "	12	4.56
1928M	Ceiling Collar Mogul	8"	7 $\frac{1}{8}$ "	9 $\frac{1}{2}$ "	Bulk	5.22
1930M	Ceiling Collar Mogul	10"	7 $\frac{1}{8}$ "	9 $\frac{1}{2}$ "	Bulk	6.52
1932M	Ceiling Collar Mogul	12"	7 $\frac{1}{8}$ "	9 $\frac{1}{2}$ "	Bulk	8.22
1934	Ceiling Collar, Less Canopy Ring	4"	7 $\frac{1}{8}$ "	5 $\frac{1}{4}$ "	16	2.86
1936	Ceiling Collar, Less Canopy Ring	6"	7 $\frac{1}{8}$ "	5 $\frac{1}{4}$ "	16	3.04
1936M	Ceiling Collar Mogul, Less Canopy Ring	6"	7 $\frac{1}{8}$ "	5 $\frac{1}{4}$ "	16	3.72
1938M	Ceiling Collar Mogul, Less Canopy Ring	8"	7 $\frac{1}{8}$ "	6"	Bulk	4.40
1940M	Ceiling Collar Mogul, Less Canopy Ring	10"	7 $\frac{1}{8}$ "	6"	Bulk	5.66
1942M	Ceiling Collar Mogul, Less Canopy Ring	12"	7 $\frac{1}{8}$ "	6"	Bulk	7.42
1944	Ceiling Collar	4"	6 $\frac{1}{4}$ "	9 $\frac{1}{2}$ "	12	3.24
1946	Ceiling Collar	6"	6 $\frac{1}{4}$ "	9 $\frac{1}{2}$ "	12	3.40
1946M	Ceiling Collar Mogul	6"	6 $\frac{1}{4}$ "	9 $\frac{1}{2}$ "	12	4.10
1954	Ceiling Collar, Less Canopy Ring	4"	6 $\frac{1}{4}$ "	6"	32	2.50
1956	Ceiling Collar, Less Canopy Ring	6"	6 $\frac{1}{4}$ "	6"	32	2.60
1956M	Ceiling Collar Mogul, Less Canopy Ring	6"	6 $\frac{1}{4}$ "	6"	32	3.30
2004	Ceiling Band—Bare	4"	2 $\frac{3}{4}$ "-3 Step	6"	Bulk	1.34
2006	Ceiling Band—Bare	6"	2 $\frac{3}{4}$ "-3 Step	9"	Bulk	1.80
2008	Ceiling Band—Bare	8"	3 $\frac{3}{4}$ "-4 Step	11"	Bulk	2.90
2010	Ceiling Band—Bare	10"	4 $\frac{3}{4}$ "-5 Step	13"	Bulk	3.70
2012	Ceiling Band—Bare	12"	4 $\frac{3}{4}$ "-5 Step	15"	Bulk	4.40

SPECIFICATIONS

Adjustable Socket

Extension:

Furnished completely installed in all Pendant and Ceiling Fixtures at 26c additional list.

All Hangers:

Are stocked equipped with exclusive Amco One-Screw (Semi-Safety) Holders. 4" and 6" sizes only may be had in Amco Patented Safety Screwless Type Holders, if specified, at no additional cost.

Standard Finish:

Modernistic Bronze and Gold—(A Rich Statuary Bronze with Gold Decoration). May also be had in Bronze Metal at no additional cost.

Special Finishes:

Prices will be gladly given for other finishes, such as, Chrome, Pewter, etc.

Metal:

All Canopies and holders made of .022 solid Copper, or .022 Bronze Metal.

Wired Pendants:

Standard Equipment, Medium Base Porcelain Socket and No. 16 Asbestos Covered Wire. Mogul Socket and No. 14 Asbestos Covered Wire, and complete with Adjustable Socket Extension when specified.

Wired Ceiling

Fixtures:

Two Piece Receptacle with 6" No. 14 Leads, Mogul, complete with running thread Iron Pipe Nipple and No. 14 Asbestos Covered Wire. When Adjustable Socket Extension is ordered, same is furnished completely installed with either Medium or Mogul Socket.

All Wires:

Underwriters' approval and polarized, terminals soldered.

Overall Lengths:

As shown in schedule. Additional lengthening 32c per foot list.

All Canopies:

As shown in schedule and complete with Strap, Screws and Knurled Nuts, and have Knockout for Pull Switch.

Packing:

One Complete to a carton in Standard Package quantities when listed. Cartons are properly labeled.

Installation:

All Amco Hangers are ready to install when taken from carton.

Loops:

All Loops used on Pendants are an exclusive Amco Feature, Patents Pending.

HANGER



SPECIALISTS



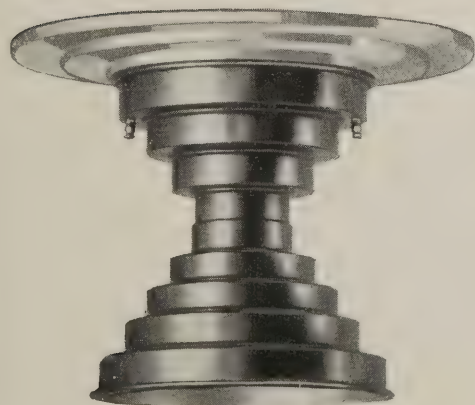
ARISTOCRAT LINE

(ADDENDUM)

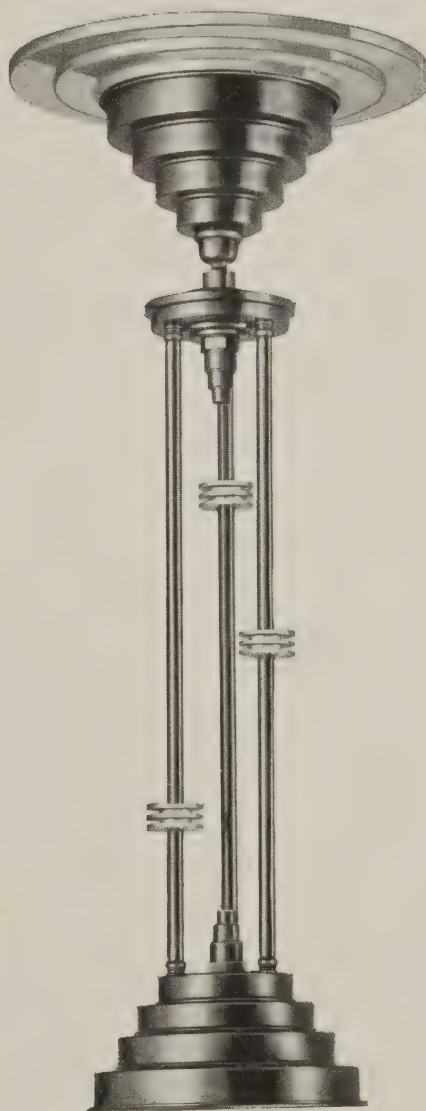
A distinctively different type of Modernistic Design is revealed in the tower-like appearance of the tubes reaching gracefully from holder to canopy. The Alum-lite canopy ring forms a rich contrasting background, adding that touch of beauty essential to artistic lighting.



No. 569

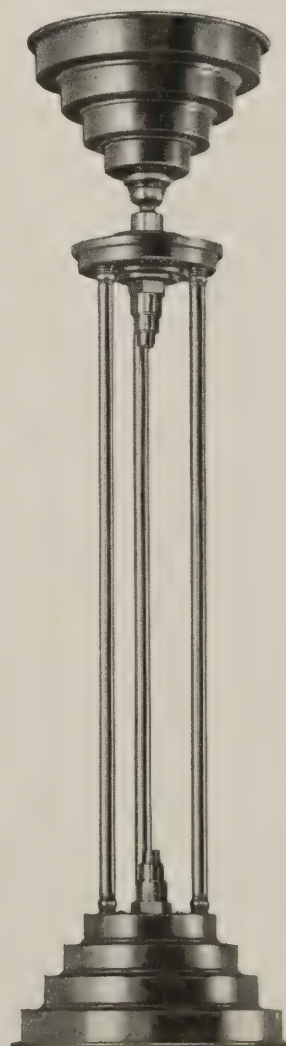


No. 464



No. 369

Holders and Canopies are of 22 gauge Bronze Metal. Holders are aluminized inside.



No. 469

PRICE LIST

Effective May 15th, 1931

ARISTOCRAT LINE — ADDENDUM MODERNISTIQUE HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Diameter Canopy At Base	Standard Package	List Price Wired
349	Decorated Triple Stem Swivel Pendant	4"	10"	24"	8	\$11.20
369	Decorated Triple Stem Swivel Pendant	6"	10"	24"	8	11.20
369M	Decorated Triple Stem Swivel Pendant—Mogul	6"	10"	24"	8	11.84
389M	Decorated Triple Stem Swivel Pendant—Mogul	8"	10"	24"	Bulk	13.64
3109M	Decorated Triple Stem Swivel Pendant—Mogul	10"	10"	24"	Bulk	16.40
3129M	Decorated Triple Stem Swivel Pendant—Mogul	12"	10"	24"	Bulk	17.80
449	Triple Stem Swivel Pendant	4"	5¼"	24"	8	9.20
469	Triple Stem Swivel Pendant	6"	5¼"	24"	8	9.20
469M	Triple Stem Swivel Pendant—Mogul	6"	5¼"	24"	8	9.84
489M	Triple Stem Swivel Pendant—Mogul	8"	6"	24"	Bulk	11.64
4109M	Triple Stem Swivel Pendant—Mogul	10"	8"	24"	Bulk	14.40
4129M	Triple Stem Swivel Pendant—Mogul	12"	10"	24"	Bulk	15.80
549	Modernistic Swivel Stem Pendant	4"	10"	24"	8	6.60
569	Modernistic Swivel Stem Pendant	6"	10"	24"	8	6.60
569M	Modernistic Swivel Stem Pendant—Mogul	6"	10"	24"	8	7.24
589M	Modernistic Swivel Stem Pendant—Mogul	8"	10"	24"	Bulk	7.94
5109M	Modernistic Swivel Stem Pendant—Mogul	10"	10"	24"	Bulk	10.94
444	Deep Ceiling Collar	4"	10"	7½"	Bulk	3.76
464	Deep Ceiling Collar	6"	10"	7½"	Bulk	3.94
464M	Deep Ceiling Collar—Mogul	6"	10"	7½"	Bulk	4.62
484M	Deep Ceiling Collar—Mogul	8"	10"	7½"	Bulk	5.60
4104M	Deep Ceiling Collar—Mogul	10"	10"	7½"	Bulk	7.06
4124M	Deep Ceiling Collar—Mogul	12"	10"	7½"	Bulk	9.30

SPECIFICATIONS

- All Fixtures:** Completely wired, ready for installation when taken from carton.
- Additional Lengthening:** Triple Stem Pendants, add \$1.10 per foot list wired. Single Stem Pendants, add 80 cents per foot list wired.
- Screw Collar Ball Swivel:** All Pendants feature this sturdy construction. The canopy is held tightly in place by means of the knurled ring. By merely turning the ring, the canopy can be dropped over the ball swivel and stem, thereby permitting speedy installation. Complete with ¾ x 3" running thread iron pipe nipple and ¾ x ¾" Female Hickey.
- Wired Fixtures:** ¾" Cap Porcelain Sockets are used on all Pendant Fixtures. Wire is No. 16 asbestos covered, with Underwriters' approval, polarized and terminals soldered.
- Finishes:** Standard finishes are Statuary Bronze or Pewter. Bronze Metal furnished at no additional cost. Canopy Rings and Stem Decorations Alum-lite. May also be had in other finishes—price on application.
- Ceiling Type Fixtures:** Wired complete with strap, screws and knurled nuts.

HANGER



SPECIALISTS

THALEIA

LINE



MODERNISTIQUE
HANGER EQUIPMENT

THE ART METAL CO. » CLEVELAND, OHIO



THALEIA LINE

MODERNISTIQUE EQUIPMENT

DISTINCTIVE CREATIONS

Designed to beautify all glassware.

Four different color combinations offer a choice selection to harmonize with their respective surroundings.

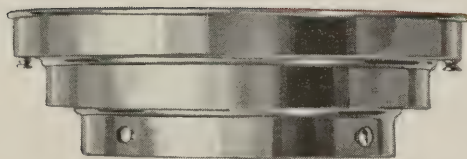
All Pendant Fixtures are equipped with screw collar ball swivel canopy construction to insure perfect alignment.

Completely Assembled
Individually Packaged

SPARKLING MODERNISM



866



2006



864

**ARTISTIC
REFINEMENT**



869

(PATENTS PENDING)

THE ART METAL CO.

CLEVELAND, OHIO

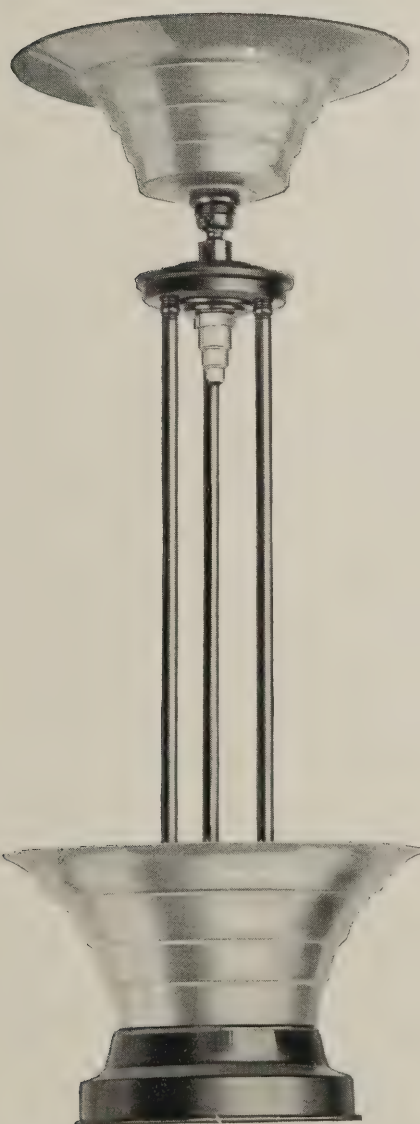


MODERN SIMPLICITY

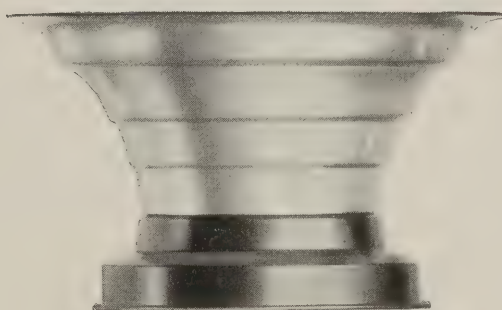
The Thaleia Line accentuates Artistic Refinement in a totally different style of Modernistic Lighting Equipment.

Graceful Alum-lite curvatures that are highly polished and symmetrically placed on a contrasting background, appear as a series of miniature horizons reaching upward, and reveal an iridescent effect when emblazoned by the light radiating from the unit, thus creating fixtures of

LUXURIANT BEAUTY



862



860

GORGEOUSLY DIFFERENT



861



863

(PATENTS PENDING)

THE ART METAL CO.

CLEVELAND, OHIO

PRICE LIST

Effective May 15th, 1931

THALEIA LINE — MODERNISTIQUE HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Canopy At Base	Standard Package	List Price
866	Pendant—With Canopy Ring and Crown	6"	30"	9 $\frac{7}{8}$ "	8	\$7.90
869	Pendant—No Canopy Ring or Crown	6"	30"	5 $\frac{1}{2}$ "	12	6.50
849	Pendant—No Canopy Ring or Crown	4"	30"	5 $\frac{1}{2}$ "	12	6.50
861	Pendant—With Large Canopy and Crown	6"	30"	9 $\frac{1}{2}$ "	8	7.90
862	Triple Stem Pendant with Crown	6"	24"	9 $\frac{1}{2}$ "	8	8.50
860	Ceiling Collar—Deep Crown	6"	6"	9 $\frac{7}{8}$ "	12	2.40
863	Ceiling Collar—Shallow Crown	6"	6"	9 $\frac{1}{2}$ "	12	2.40
843	Ceiling Collar—Shallow Crown	4"	5 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	12	2.40
864	Deep Ceiling Collar with Ring	6"	7 $\frac{1}{2}$ "	9 $\frac{7}{8}$ "	12	2.90
844	Deep Ceiling Collar with Ring	4"	7"	9 $\frac{7}{8}$ "	12	2.90
2004	Ceiling Band—Bare	4"	2 $\frac{3}{4}$ "	6"	Bulk	1.34
2006	Ceiling Band—Bare	6"	2 $\frac{3}{4}$ "	9"	Bulk	1.80
2008	Ceiling Band—Bare	8"	3 $\frac{3}{4}$ "	11"	Bulk	2.90
2010	Ceiling Band—Bare	10"	4 $\frac{3}{4}$ "	13"	Bulk	3.70
2012	Ceiling Band—Bare	12"	4 $\frac{3}{4}$ "	15"	Bulk	4.40

SPECIFICATIONS

All Holders	One-Screw Semi-Safety Type, and are aluminized inside.
All Fixtures:	Completely wired, ready for installation when taken from carton.
Adjustable Socket Extension:	Amco Socket Extension, which enables the lamp to be lowered from 2" to 7 $\frac{1}{2}$ ", furnished completely installed, at 26 cents additional list.
Finishes:	Standard Finishes are Alumilited Curvatures on Black, Bronze or Pewter or Black Curvatures on Pewter. Alumilited Curvatures on Blue, Maroon, or Green, 10% additional. Prices on other finishes cheerfully given on request.
Screw Collar Ball Swivel:	All Pendants feature this sturdy construction. The canopy is held tightly in place by means of the knurled ring. By merely turning the ring, the canopy can be dropped over the ball swivel and stem, thereby permitting speedy installation. Complete with $\frac{3}{8}$ " x 3" running thread iron pipe nipple and $\frac{3}{8}$ x $\frac{3}{8}$ " Female Hickey.
Additional Lengthening:	Single Stem Pendants, \$1.30 additional list per foot, including wire and curvature. Triple Stem Pendant, \$1.10 per foot, list, including wire.
Cap Sockets and Wire:	$\frac{3}{8}$ " Cap Porcelain Sockets are used on all Pendant Fixtures. Wire is No. 16 asbestos covered, Underwriters' approved, polarized and terminals soldered.
Ceiling Type:	Fixtures wried complete with strap, screws and knurled nuts.
Mogul Socket:	Using No. 14 asbestos covered wire, may be had at 50 cents additional list on Pendants and 78 cents additional list on Ceiling types.
Special Sizes:	Fitters in sizes other than listed may be obtained. Price on request.

HANGER



SPECIALISTS

THALEIA

MODERNISTIQUE
INDIRECT
LUMINAIRES



THE ART METAL CO. » CLEVELAND, OHIO



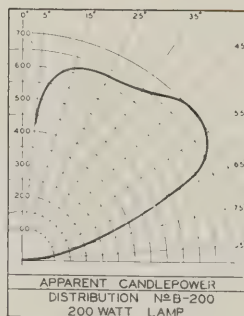
THALEIA MODERNISTIQUE

INDIRECT LUMINAIRES

LUXURIANT BEAUTY and MODERNISTIC REFINEMENT is accentuated in a distinctively new style of Indirect Illumination with utmost efficiency.

SPARKLING MODERNISM and INDIVIDUALITY is portrayed by symmetrically placed, highly polished, Alum-lite Curvatures of graceful lines that reach upward on a contrasting background to reveal an iridescent effect. The extra large canopy adds that necessary touch of splendor to decorate the ceiling artistically.

All shadows are Completely Eliminated in both the Indirect and Semi-Indirect Luminaires illustrated.



Curvatures, Canopy and Bowl are highly polished to glisten with an everlasting lustre on a contrasting background.

MAY BE USED WITH 300 OR 500 WATT LAMPS

(PATENTS PENDING)



TI-501
TOTALLY INDIRECT
LIST PRICE \$22.50



SI-505
SEMI-INDIRECT
LIST PRICE \$22.50



THALEIA Luminaires radiate a rich, soft flow of light with the highest efficiency obtainable by means of PITTSBURGH PERMAFLECTOR especially designed and placed in the large metal bowl.

The field of light is beautifully uniform. Shadows are completely eliminated, there is no sharp cut-off to the field of light, rather a gradual fading away.

Distribution of light over the ceiling is extremely broad and adequately covers an 18 foot bay from a single central unit with 30 inch suspension.



PITTSBURGH PERMAFLECTORS are of smooth glass and easy to keep clean — a most important feature. Any one of the supporting arms may be disconnected, allowing the bowl to hang from the other two arms, for quick cleaning of the Permalector, which cannot drop out.

Note illustration on right.

The Bowls are suspended from the husks enclosing the socket, by means of detachable arms.



Screw Collar Ball Swivel Canopy construction is featured in this equipment. This insures speedy installation and enables fixture to hang straight.

The Semi-Indirect Luminaire No. SI-505 renders indirect illumination with an added amount of direct illumination sufficient to reveal an illuminated bowl, yet maintains all the advantages of indirect illumination.

PLANNING THE INDIRECT LIGHTING INSTALLATION

ASSUME that it is desired to illuminate a drafting room which is subdivided into bays 18 feet by 18 feet in area. The ceiling height is 11 feet. It is desired to know the number, size, suspension length and spacing of Indirect Luminaires required to provide a good drafting room illumination.

Referring to Table I, we ascertain that a drafting room should have 25—35 foot-candles of illumination on the plane of tables, 36 inches above the floor. Let us select the higher value of 35-foot candles.

Now referring to Table II, we find that Indirect Luminaires B-5, equipped with 500-watt lamps, spaced 9 feet on center, will provide 42 foot-candles. A spacing of 9 feet makes a symmetrical arrangement of four luminaires in

each 18 x 18 feet bay, and this spacing is close enough to the preferred spacing of approximately .7 the ceiling height. Therefore, let us use this arrangement. The spacing of 9 feet on centers also falls within the maximum permissible spacing for an eleven foot ceiling as given in Table III.

Finally we must decide on the suspension length, top of bowl to ceiling. Obviously an important consideration in the matter is that of head room below the luminaire. With an 11-foot ceiling, a 30-inch suspension looks well and provides about an eight foot clearance which is ample. Referring to Table IV, we find that the diameter of the illuminated circle on the ceiling is 18.6 feet with a 30-inch suspension. This provides excellent overlapping, insuring a good ceiling appearance.

TABLE I

Desirable Intensity of Illumination for Various Purposes

	Foot-Candles
Barber Shops.....	10—15
Offices:	
General Clerical Work.....	10—15
Drafting.....	25—35
Stores:	
Light Merchandise.....	10—20
Dark Merchandise.....	20—50
Schools:	
Auditoriums and Lecture Halls.....	5—10
Libraries and Study Rooms.....	10—15
Class Rooms.....	10—15
Drafting Rooms.....	25—35
Sewing Rooms.....	25—35
Manufacturing:	
Operations requiring close vision.....	20—50

TABLE III

Indirect Luminaires B-2, B-5, B-10. Maximum Spacings on Centers

Ceiling Height Feet	Maximum Spacing On Centers* Feet
8	12
8.5	12.5
9	13
10	13.5
11	15.0
12	16.5
14	18
16	21
18	24
20	27
22	30

*NOTE: Lesser spacings are desirable in any case. For drafting rooms and similar work requiring close vision, a spacing approximately .7 the ceiling height is recommended. For the latter purposes the spacing should never exceed the ceiling height.

TABLE II

Required Size and Spacing of Indirect Luminaires to Provide Various Values of Horizontal Illumination

Spacing, Feet	Foot-Candles	
	B-5 300-Watt	B-5 500-Watt
8 x 8	30	53
8.5 x 8.5	27	47
9 x 9	24	42
10 x 10	19	33
11 x 11	16	28
12 x 12	13	23
16 x 16	7.5	13
20 x 20	4.8	8.4
24 x 24		5.8

TABLE IV

Indirect Luminaires B-2, B-5, B-10
Diameter of Illuminated Circle on Ceiling

Suspension Length Top of Bowl To Ceiling Inches	Diameter of Illuminated Circle on Ceiling Feet
12	7.5
14	8.7
16	10.0
18	11.2
20	12.8
24	15.0
30	18.6
36	20.3
42	26.0
48	29.8
54	33.6
60	37.3

NOTE: Minimum suspension length of Indirect Luminaire B-2 is 12 inches; B-5, 18 inches; B-10, 30 inches.

SPECIFICATIONS

TI-501

Bowl Size: 13 $\frac{3}{4}$ " Diameter; 4 $\frac{1}{2}$ " Depth.
 Reflector: B-501 Pittsburgh Perma Reflector.
 Lamp Use: 300—500 Watt.
 Overall Length: 38"
 Additional Lengthening: \$1.40 per foot additional list, including wire and curvature.
 Fixtures: Completely Assembled and Wired ready for immediate installation.
 Wires: Number 14 Asbestos Covered, Underwriters' Approved, polarized and terminals soldered.
 Packing: One to a standard package.

SI-505

13 $\frac{3}{4}$ " Diameter; 4 $\frac{1}{2}$ " Depth.
 B-505 Pittsburgh Perma Reflector.
 300—500 Watt.
 36 $\frac{3}{4}$ "
 \$1.40 per foot additional list, including wire and curvature.



STANDARD LINE

HANGER EQUIPMENT

A COMPLETE line built for the better grade of Lighting installations and embodying all the requirements essential to the most exacting specifications.

All Standard Line Holders and Canopies are of 22 gauge brass, or when specified, 22 gauge bronze metal will be furnished at no additional cost.

Amco One Screw (Semi-Safety) Holders are standard equipment in this line.

Amco Safety Holders Patented, which simply require closing of lever to lock glassware to holder, will be furnished in the 4" and 6" pendants and ceiling type fixtures, when specified, at no additional cost.

All holders aluminized inside.

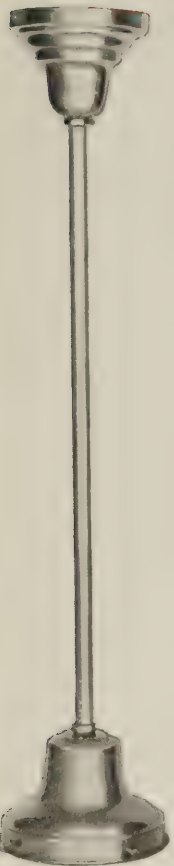
All Fixtures illustrated are fully described in the price list and specifications.



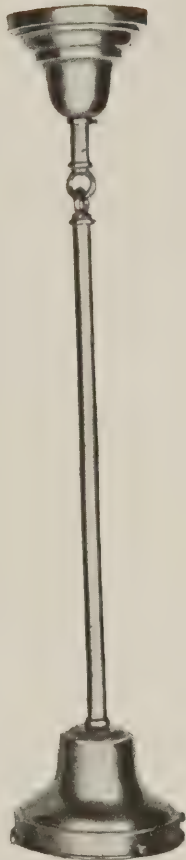


STANDARD LINE

HANGER EQUIPMENT



No. 463
SOLID STEM
PENDANT.



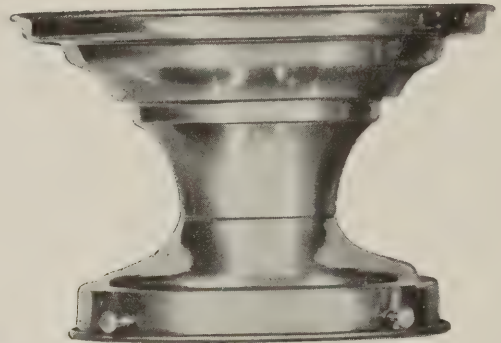
No. 465
LOOP TO LOOP
STEM PENDANT



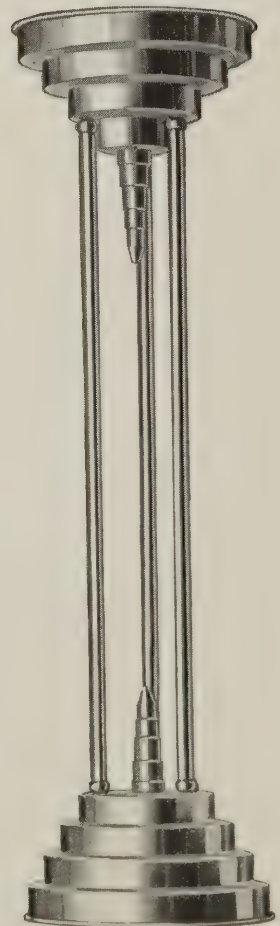
2060
DEEP CEILING COLLAR



No. 468
BALL SWIVEL
SCREW COLLAR
STEM PENDANT



No. 5062
8" DIA. CANOPY CEILING
COLLAR



469
TRIPLE STEM
SWIVEL PENDANT

All Holders and Canopies illustrated on this page are made of 22 gauge Brass. Can be furnished in Bronze Metal at no additional cost.

PRICE LIST

Effective December 1st, 1930

GENERAL SPECIFICATIONS AND INFORMATION ON
STANDARD LINE HANGER EQUIPMENT

All Prices:	Are listed for Fixtures Wired Complete unless otherwise specified.
Holders and Canopies:	Are made entirely of 22 gauge brass.
22 Gauge Bronze Metal:	No additional charge will be made for furnishing any fixture, when specified, in 22 gauge Bronze Metal instead of Brass.
Amco One-Screw Holders:	Aluminized inside, are standard equipment, and will be furnished unless otherwise specified.
Safety Holders:	Amco Patented Safety Holders, aluminized inside, furnished in the 4" and 6" fixtures, when specified; at no additional cost.
Standard Finishes:	Plated Statuary Bronze, Bank Bronze, Acid Bronze, Brush Brass, Pewter or Bronze Metal—White, Ivory or Green Enamel and Bauer Barff 10% extra.
Special Finishes:	Price for other finishes such as Chromium, etc., given on application.
Canopy Knockout:	For Levolver Switch in all canopies, unless otherwise specified.
Canopy Switch:	Installed at \$1.60 additional list.
Pull Chain Receptacle:	Installed in Ceiling Collars at \$1.02 additional list.
Wired Pendants:	Standard equipment Medium Base Porcelain Socket and No. 16 Asbestos Covered Wire. Mogul No. 14 Wire.
Wired Ceiling Collars:	As shown in schedule.
All Wires:	Approved by National Board of Underwriters, polarized and terminals soldered.
Breaker:	For either Stem or Chain Fixtures may be had at 80 cents additional list.
Bare Fixtures:	Price on application.
Installation:	All hangers ready to install when taken from carton.
Packing:	All fixtures packed one to a carton in standard package quantities as listed.
Other Sizes:	Any size fixture will be furnished—price on application.
Other Gauges and Metals:	Prices will be gladly given for heavier gauges or other kinds of metal, such as Pewter, Aluminum, etc.
Special Fixtures:	Quotations on special designs gladly furnished upon request.
U. S. Government Fixtures:	We manufacture hanger equipment as specified by the various departments of the United States government and will be pleased to quote prices on application.

H A N G E R



SPECIALISTS

PRICE LIST

Effective December 1st, 1930

STANDARD LINE—HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Canopy At Base	Standard Package	List Price Wired
4044	Strap Canopy Chain Pendant	4"	30"	5 1/4"	32	\$2.62
4064	Strap Canopy Chain Pendant	6"	30"	5 1/4"	16	2.74
4064M	Strap Canopy Chain Pendant—Mogul	6"	30"	5 1/4"	16	3.40
A4042	Slip Canopy Chain Pendant	4"	30"	5 1/4"	32	2.90
A4062	Slip Canopy Chain Pendant	6"	30"	5 1/4"	32	3.02
A4062M	Slip Canopy Chain Pendant—Mogul	6"	30"	5 1/4"	32	3.68
4022	Slip Canopy Chain Pendant	2 1/4"	30"	5 1/4"	32	3.40
4032	Slip Canopy Chain Pendant	3 1/4"	30"	5 1/4"	32	3.48
4042	Slip Canopy Chain Pendant	4"	30"	5 1/4"	32	3.48
4042 1/2	Slip Canopy Chain Pendant	4 1/2"	30"	5 1/4"	16	3.60
4052	Slip Canopy Chain Pendant	5"	30"	5 1/4"	16	3.60
4062	Slip Canopy Chain Pendant	6"	30"	5 1/4"	16	3.60
4062M	Slip Canopy Chain Pendant—Mogul	6"	30"	5 1/4"	16	4.10
4072	Slip Canopy Chain Pendant	7"	30"	6"	16	4.64
4072M	Slip Canopy Chain Pendant—Mogul	7"	30"	6"	16	5.14
4082	Slip Canopy Chain Pendant	8"	30"	6"	16	4.64
4082M	Slip Canopy Chain Pendant—Mogul	8"	30"	6"	16	5.14
4092M	Slip Canopy Chain Pendant—Mogul	9"	30"	6"	Bulk	6.16
40102M	Slip Canopy Chain Pendant—Mogul	10"	30"	6"	Bulk	6.52
4027	Screw Collar Canopy Chain Pendant	2 1/4"	30"	5 1/4"	16	3.66
4037	Screw Collar Canopy Chain Pendant	3 1/4"	30"	5 1/4"	16	3.74
4047	Screw Collar Canopy Chain Pendant	4"	30"	5 1/4"	16	3.74
4057	Screw Collar Canopy Chain Pendant	5"	30"	5 1/4"	16	3.86
4067	Screw Collar Canopy Chain Pendant	6"	30"	5 1/4"	16	3.86
4067M	Screw Collar Canopy Chain Pendant—Mogul	6"	30"	5 1/4"	16	4.36
4087	Screw Collar Canopy Chain Pendant	8"	30"	6"	16	4.90
4087M	Screw Collar Canopy Chain Pendant—Mogul	8"	30"	6"	16	5.40
4097M	Screw Collar Canopy Chain Pendant—Mogul	9"	30"	6"	Bulk	6.42
40107M	Screw Collar Canopy Chain Pendant—Mogul	10"	30"	6"	Bulk	6.78

SPECIFICATIONS ON ABOVE EQUIPMENT

Screw Collar Canopy Pendant:

This sturdier type of construction enables speedier installation, as the canopy can be dropped entirely over loop and chain, and by merely turning the knurled ring over the loop, the canopy is securely held in place. Complete with 3/8 x 3" running thread Iron Pipe Nipple and 3/8 x 3/8 Female Hickey.

Strap Canopy Pendants:
Iron Pipe Stem:

Complete with Strap, Screws and Knurled Nuts.

Consisting of 3/8 x 5" Iron Pipe covered by 22 gauge 3/4" Brass Casing and complete with 3/8" Female Brass Loop and 3/8 x 3/8 Hickey, may be had on Catalog Nos. A4062, etc., and 4062, etc., at 30 cents additional list.

Extra Lengths:

Chain Pendant Fixtures at 30 cents additional list including wire.

Solid Brass Chain:

Standard length any Chain Pendant Fixture 70 cents additional list. Additional lengths 70 cents per foot list including wire.

Note:

Catalog numbers 4062, etc., and 4067, etc., have 3/8" Brass Male Loop into holder and are wired with 3/8 Cap Porcelain Socket.

TRIPLE STEM PENDANTS

Catalog Number	Type	Size Fitter	Length Overall	Canopy At Base	Standard Package	List Price Wired
449	Triple Stem Swivel Pendant	4"	24"	6"	Bulk	\$10.20
469	Triple Stem Swivel Pendant	6"	24"	6"	Bulk	10.20
469M	Triple Stem Swivel Pendant—Mogul	6"	24"	6"	Bulk	10.84
489	Triple Stem Swivel Pendant	8"	24"	6"	Bulk	12.00
489M	Triple Stem Swivel Pendant—Mogul	8"	24"	6"	Bulk	12.64
499M	Triple Stem Swivel Pendant—Mogul	9"	24"	8"	Bulk	15.40
4109M	Triple Stem Swivel Pendant—Mogul	10"	24"	8"	Bulk	15.40
4129M	Triple Stem Swivel Pendant—Mogul	12"	24"	10"	Bulk	16.80

SPECIFICATIONS ON ABOVE EQUIPMENT

Equipped with ball swivel and plate, enabling fixture to hang straight at all times. All Wires concealed. Can be furnished in any length desired. Additional lengths \$1.10 per foot list including wire.

HANGER  SPECIALISTS

PRICE LIST


Effective December 1st, 1930

STANDARD LINE—HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Canopy At Base	Standard Package	List Price Wired
423	Solid Stem Pendant	2 1/4"	24"	5 1/4"	Bulk	\$4.20
433	Solid Stem Pendant	3 1/4"	24"	5 1/4"	Bulk	4.28
443	Solid Stem Pendant	4"	24"	5 1/4"	Bulk	4.28
453	Solid Stem Pendant	5"	24"	5 1/4"	Bulk	4.40
463	Solid Stem Pendant	6"	24"	5 1/4"	Bulk	4.40
463M	Solid Stem Pendant—Mogul	6"	24"	5 1/4"	Bulk	4.90
483	Solid Stem Pendant	8"	24"	6"	Bulk	5.44
483M	Solid Stem Pendant—Mogul	8"	24"	6"	Bulk	5.94
493M	Solid Stem Pendant—Mogul	9"	24"	6"	Bulk	6.96
4103M	Solid Stem Pendant—Mogul	10"	24"	6"	Bulk	7.32
425	Loop to Loop Stem Pendant	2 1/4"	24"	5 1/4"	Bulk	4.60
435	Loop to Loop Stem Pendant	3 1/4"	24"	5 1/4"	Bulk	4.68
445	Loop to Loop Stem Pendant	4"	24"	5 1/4"	Bulk	4.68
455	Loop to Loop Stem Pendant	5"	24"	5 1/4"	Bulk	4.80
465	Loop to Loop Stem Pendant	6"	24"	5 1/4"	Bulk	4.80
465M	Loop to Loop Stem Pendant—Mogul	6"	24"	5 1/4"	Bulk	5.30
485	Loop to Loop Stem Pendant	8"	24"	6"	Bulk	5.84
485M	Loop to Loop Stem Pendant—Mogul	8"	24"	6"	Bulk	6.34
495M	Loop to Loop Stem Pendant—Mogul	9"	24"	6"	Bulk	7.36
4105M	Loop to Loop Stem Pendant—Mogul	10"	24"	6"	Bulk	7.72
428	Ball Swivel Screw Collar Stem Pendant	2 1/4"	24"	5 1/4"	Bulk	5.20
438	Ball Swivel Screw Collar Stem Pendant	3 1/4"	24"	5 1/4"	Bulk	5.28
448	Ball Swivel Screw Collar Stem Pendant	4"	24"	5 1/4"	Bulk	5.28
458	Ball Swivel Screw Collar Stem Pendant	5"	24"	5 1/4"	Bulk	5.40
468	Ball Swivel Screw Collar Stem Pendant	6"	24"	5 1/4"	Bulk	5.40
468M	Ball Swivel Screw Collar Stem Pendant—Mogul	6"	24"	5 1/4"	Bulk	5.90
488	Ball Swivel Screw Collar Stem Pendant	8"	24"	6"	Bulk	6.44
488M	Ball Swivel Screw Collar Stem Pendant—Mogul	8"	24"	6"	Bulk	6.94
498M	Ball Swivel Screw Collar Stem Pendant—Mogul	9"	24"	6"	Bulk	7.96
4108M	Ball Swivel Screw Collar Stem Pendant—Mogul	10"	24"	6"	Bulk	8.32

SPECIFICATIONS ON ABOVE EQUIPMENT

All Stem Pendant Fixtures:	Constructed with 3/8" Iron Pipe covered by 3/4" O. D. 22 gauge Brass Casing and complete with 3/8 x 3/8 Female Hickey.
Ball Swivel Screw Collar Pendant:	A heavily constructed semi-rigid fixture equipped with ball swivel which causes the fixture to always hang straight. The canopy is held tightly in place by means of the knurled ring. By merely turning the ring the canopy can be dropped over the ball swivel and stem, thereby permitting speedy installation. Complete with 3/8 x 3" running thread iron pipe nipple and 3/8 x 3/8 Female Hickey.
Loop to Loop Stem Pendants:	Are equipped with 2 3/8" heavy brass Female Loops securely locked together which cause fixture to hang straight.
Extra Lengths:	Stem Pendants at 80 cents additional list including wire.
Cap Sockets:	3/8 Cap Porcelain Sockets are used on all Stem Pendant Fixtures.

50226	6" Diameter Canopy Ceiling Collar	2 1/4"	3 1/2"	6"	32		1.64
50326	6" Diameter Canopy Ceiling Collar	3 1/4"	3 7/8"	6"	32		1.74
50426	6" Diameter Canopy Ceiling Collar	4"	4 1/8"	6"	32		1.74
50526	6" Diameter Canopy Ceiling Collar	5"	4 1/2"	6"	32		1.84
50626	6" Diameter Canopy Ceiling Collar	6"	4 1/2"	6"	32		1.84
50626M	6" Diameter Canopy Ceiling Collar—Mogul	6"	4 1/2"	6"	16		2.62
50227	7 1/4" Diameter Canopy Ceiling Collar	2 1/4"	3 1/2"	7 1/4"	32		1.74
50327	7 1/4" Diameter Canopy Ceiling Collar	3 1/4"	3 7/8"	7 1/4"	32		1.84
50427	7 1/4" Diameter Canopy Ceiling Collar	4"	4 1/8"	7 1/4"	32		1.84
50527	7 1/4" Diameter Canopy Ceiling Collar	5"	4 1/2"	7 1/4"	32		2.04
50627	7 1/4" Diameter Canopy Ceiling Collar	6"	4 1/2"	7 1/4"	32		2.04
50627M	7 1/4" Diameter Canopy Ceiling Collar—Mogul	6"	4 1/2"	7 1/4"	16		2.82

SPECIFICATIONS ON ABOVE EQUIPMENT

All Canopies:	Complete with Strap, Screws and Knurled Nuts.
Wiring:	Consists of Two-piece Porcelain Receptacle with 6" No. 14 Leads. Mogul Sockets with 9" No. 14 Leads.

HANGER  SPECIALISTS

PRICE LIST

Effective December 1st, 1930

STANDARD LINE—HANGER EQUIPMENT

Catalog Number	Type	Size Fitter	Length Overall	Canopy At Base	Standard Package	List Price Wired
5022	8" Diameter Canopy Ceiling Collar	2 1/4"	4"	8"	16	\$1.90
5032J	8" Diameter Canopy Ceiling Collar	3 1/4"	4 1/8"	8"	16	2.00
5042	8" Diameter Canopy Ceiling Collar	4"	5 1/8"	8"	16	2.00
5052	8" Diameter Canopy Ceiling Collar	5"	5 1/2"	8"	16	2.20
5062	8" Diameter Canopy Ceiling Collar	6"	5 1/2"	8"	16	2.20
5062M	8" Diameter Canopy Ceiling Collar—Mogul	6"	5 1/2"	8"	16	2.98
5082	8" Diameter Canopy Ceiling Collar	8"	6 1/4"	8"	16	3.30
5082M	8" Diameter Canopy Ceiling Collar—Mogul	8"	6 1/4"	8"	16	4.08
5092M	10" Diameter Canopy Ceiling Collar—Mogul	9"	6 1/4"	10"	Bulk	5.10
50102M	10" Diameter Canopy Ceiling Collar—Mogul	10"	6 1/4"	10"	Bulk	5.46

SPECIFICATIONS ON ABOVE EQUIPMENT

All Canopies:

Complete with Strap, Screws and Knurled Nuts.

Wiring:

Consists of Two-piece Porcelain Receptacle with 6" No. 14 Leads. Mogul Sockets with 9" No. 14 Leads.

2060	Deep Ceiling Collar	6"	8 1/2"	8"	Bulk	\$3.80
2060M	Deep Ceiling Collar—Mogul	6"	8 1/2"	8"	Bulk	4.10
2080M	Deep Ceiling Collar—Mogul	8"	8 1/2"	8"	Bulk	5.20

SPECIFICATIONS ON ABOVE EQUIPMENT

Canopies:

Complete with Strap, Screws and Knurled Nuts.

Wiring:

Consists of 3/8 Cap Porcelain Socket and 12" No. 16 Wire Lead on Medium Base, and 12" No. 14 Wire Lead on Mogul. Complete with 3/8 x 5/8" running thread Nipple and 3/8 Locknut, which makes a heavy durable construction.

308	Shallow Hinged Band	8"	2"	10"	Bulk—Bare	\$5.70
310	Shallow Hinged Band	10"	2"	12"	Bulk—Bare	6.40
312	Shallow Hinged Band	12"	2 1/4"	14"	Bulk—Bare	9.20
314	Shallow Hinged Band	14"	2 3/4"	16"	Bulk—Bare	12.00
316	Shallow Hinged Band	16"	3"	18"	Bulk—Bare	15.00
318	Shallow Hinged Band	18"	3 1/4"	20"	Bulk—Bare	19.00

SPECIFICATIONS

The list price on Hinged Bands is for Bare Fixtures Only—No Sockets or Wire are included—Price for wiring given on application.

All Hinged Bands have a White Enamel Reflector Plate, and are equipped with two heavy Cross-Arms to prevent sagging.

The hinged door is doubly re-enforced, riveted, then soldered.

Sizes 14, 16 and 18 inch are made of 20 gauge Brass.

124	Shallow Ceiling Band	4"	1 1/2"	6"	Bulk—Bare	\$.94
126	Shallow Ceiling Band	6"	1 1/2"	8"	Bulk—Bare	1.32
128	Shallow Ceiling Band	8"	1 3/4"	10"	Bulk—Bare	2.30
1210	Shallow Ceiling Band	10"	2"	12"	Bulk—Bare	3.00
1212	Shallow Ceiling Band	12"	2"	14"	Bulk—Bare	3.70

SPECIFICATIONS

The list price on One-piece Ceiling Bands is for Bare Fixtures Only—No Sockets or Wire are included—Price for wiring given on application.

The 4, 6 and 8 inch sizes are complete with Strap, Screws and Knurled Nuts. The 10 and 12 inch sizes have two Cross-Arms to eliminate sagging.

10	Beam Light	3 1/2"	5 1/2"	42	\$.80
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SPECIFICATIONS

The extra deep bottom of this number transforms the appearance of type A lamps into type G lamps.

Complete with Strap, Screws and Knurled Nuts.

Wired with Two-piece Sign Receptacle.

Standard Finishes are Statuary Bronze, Pewter, White, Ivory or Green Enamel.

90	Wall Bracket	4"	.....	5 1/4"	32	\$3.30
91	Wall Bracket	3 1/4"	.....	5 1/4"	32	3.20
92	Wall Bracket	2 1/4"	.....	5 1/4"	32	3.10

SPECIFICATION ON ABOVE BRACKETS

The sturdy and durable construction of these brackets consists of:

5 1/4" Diameter Canopy, a 3/8 x 5" Iron Pipe Nipple and 3/4" O. D. 22 gauge Brass Casing, 3/8 x 1/8" Solid Brass turned End Body with 3/8 x 1/8" Shoulder Nipple into holder and Brass Shell Socket wired with 12" No. 18 Leads, with 3/8 x 3/8" Female Hickey.

H A N G E R



SPECIALISTS



This catalog illustrates our complete line of Commercial Unit Hanger Equipment, and supersedes all previous issues.

Our terms are 2% ten days, net 30 days.

All prices are F. O. B. Cleveland, Ohio.

Prompt shipment and careful attention given all orders.

The Art Metal Company
1800 East 38th Street Cleveland, Ohio

HANGER



SPECIALISTS

HANGER



SPECIALISTS

